MISSOURI DEPARTMENT OF NATURAL RESOURCES

Missouri Water Resources Center

Missouri Rivers and Streams Flood Conditions Report

June 28, 2024

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Missouri River Flooding Status

- Moderate flooding is forecasted on the following Missouri River gages:
  - Missouri River at Nebraska City
  - Missouri River at Brownville
  - Missouri River at Rulo
  - Missouri River at St. Joseph
  - Missouri River at Glasgow
- Gavins Point inflows are 11,500 cubic feet per second. The outflow from the reservoir is 13,000 cubic feet per second and being reduced.
- According to the Last 7-Day Observed Precipitation product, much of northern Missouri received 1.0-3.0 inches of precipitation. Some areas in northern Missouri received 3.0-8.0 inches of precipitation.
- According to the Quantitative Precipitation Forecast, for the next 24-hour period predicts much of northern Missouri receiving 0.5-1.50 inches of precipitation, while northcentral Missouri is predicted to receive 1.50-3.0 inches of precipitation. Over the next 7-day period, much of northern Missouri is predicted to receive 1.50-4.0 inches of precipitation, with a central region in northern Missouri predicted to receive up to 5.0 inches of precipitation.
- River forecasts are currently only considering past precipitation and the precipitation amounts expected approximately 24 hours into the future from the forecast issuance time.

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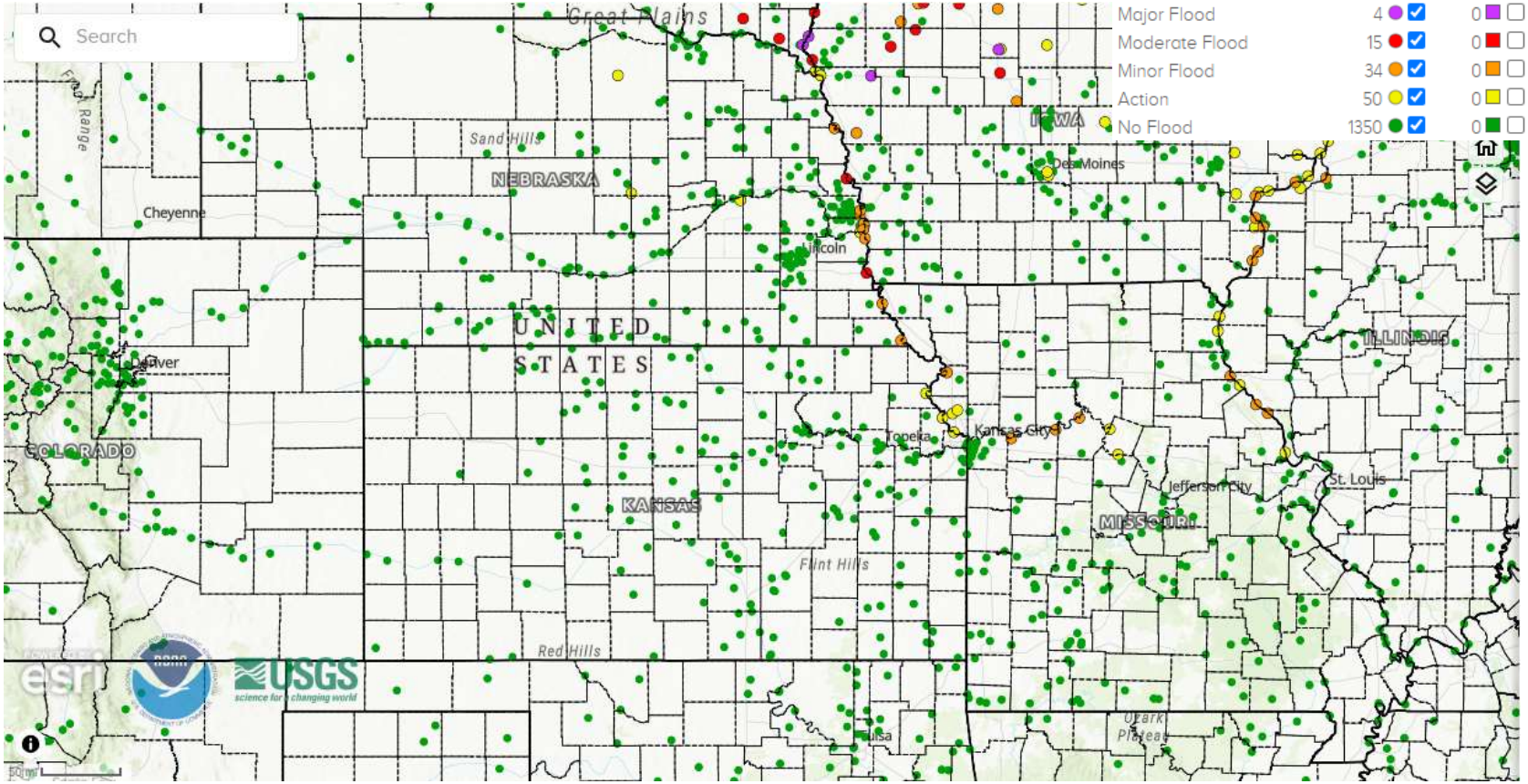
Current River and Stream Conditions



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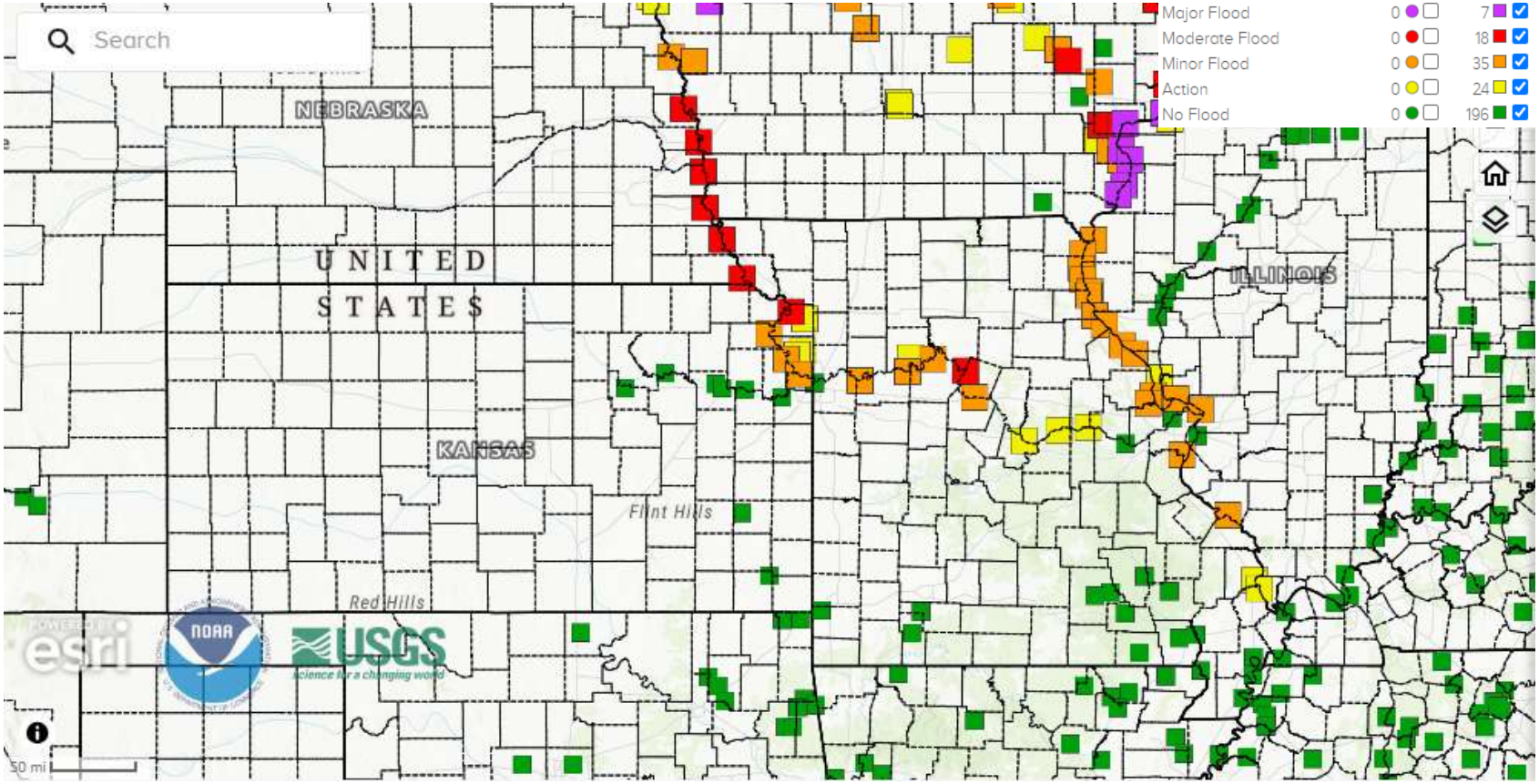
River Forecast Conditions (Maximum for Entire Period 1-13 Days)



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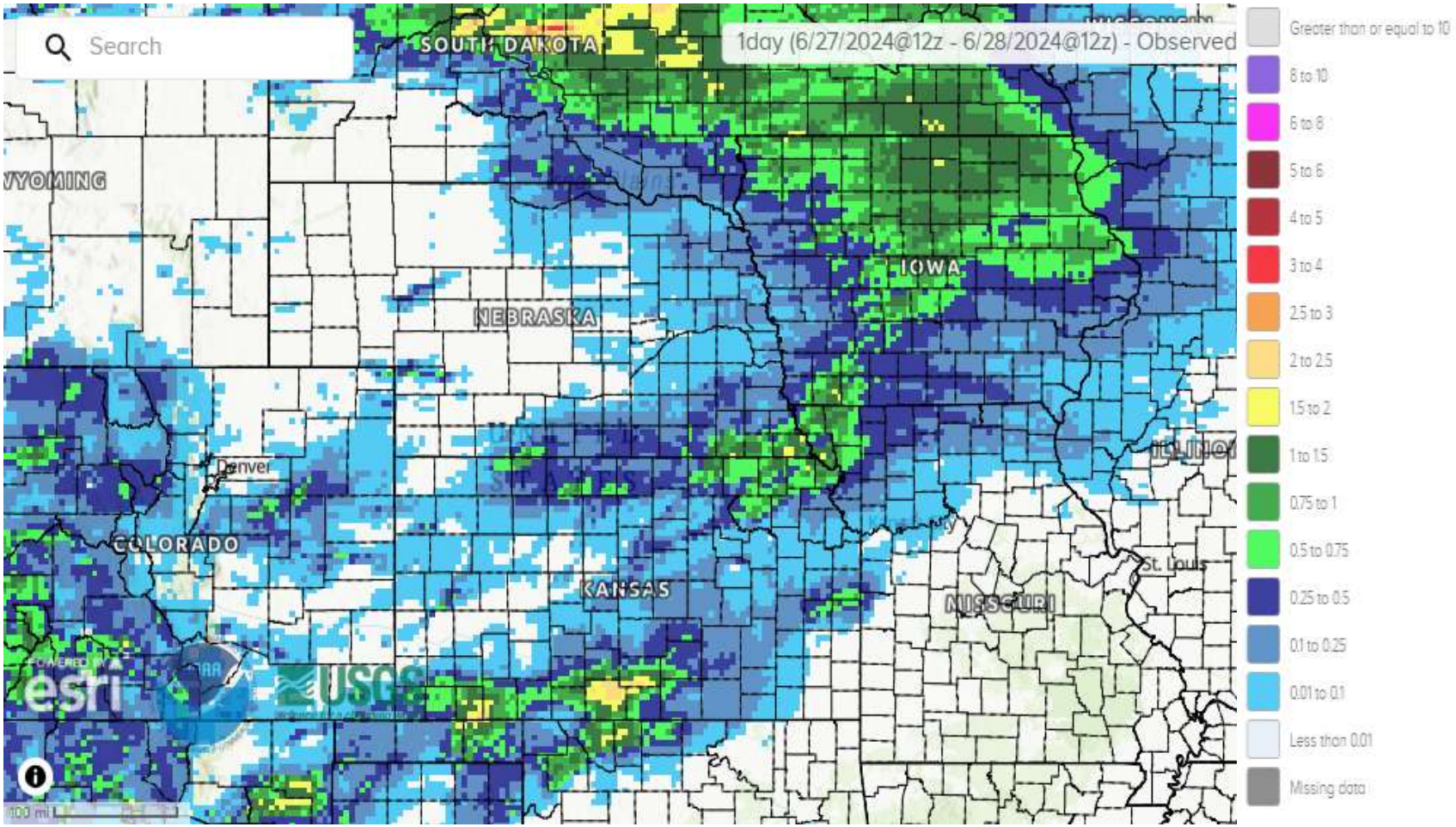
One-Day Observed Precipitation



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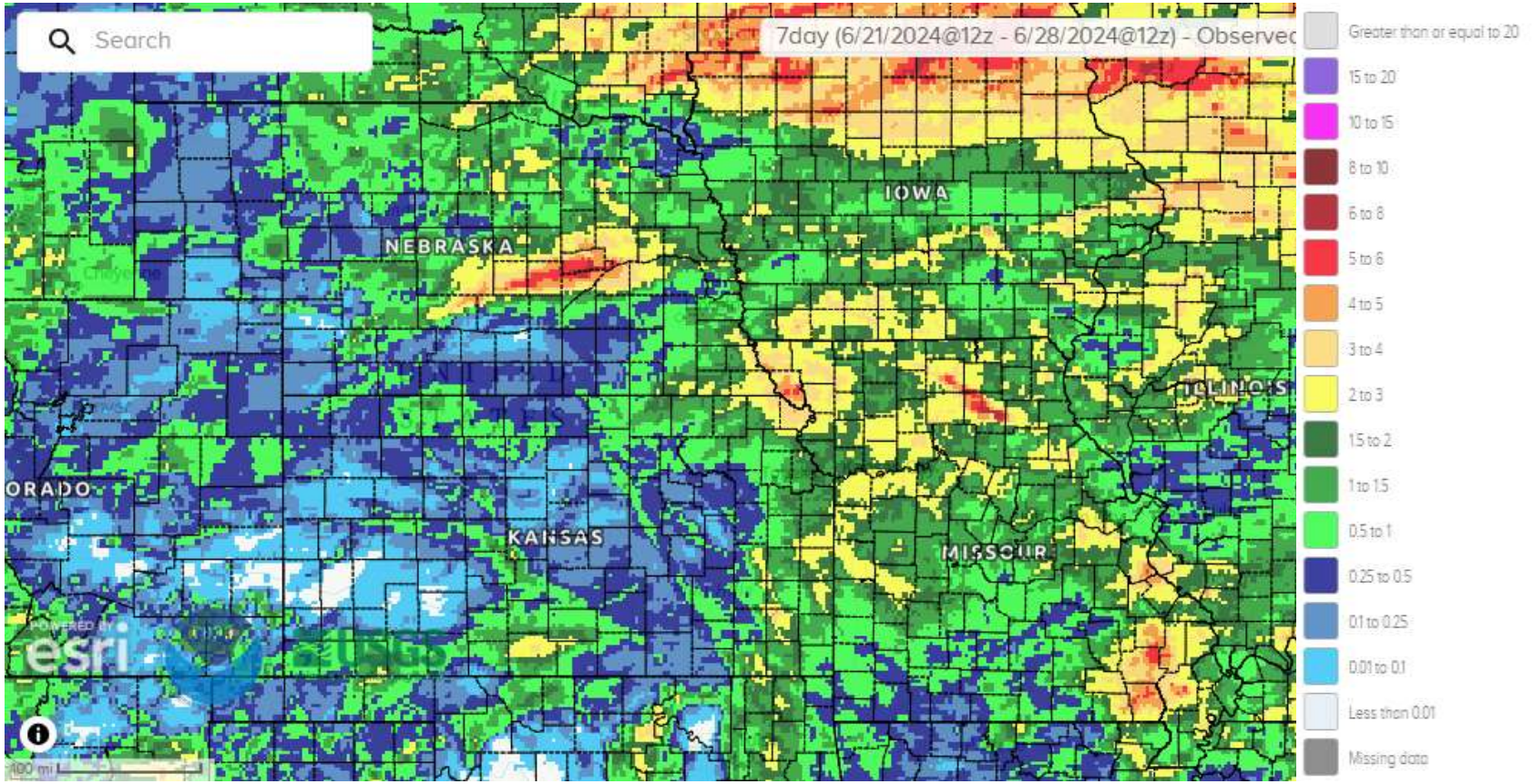
Seven-day Observed Precipitation



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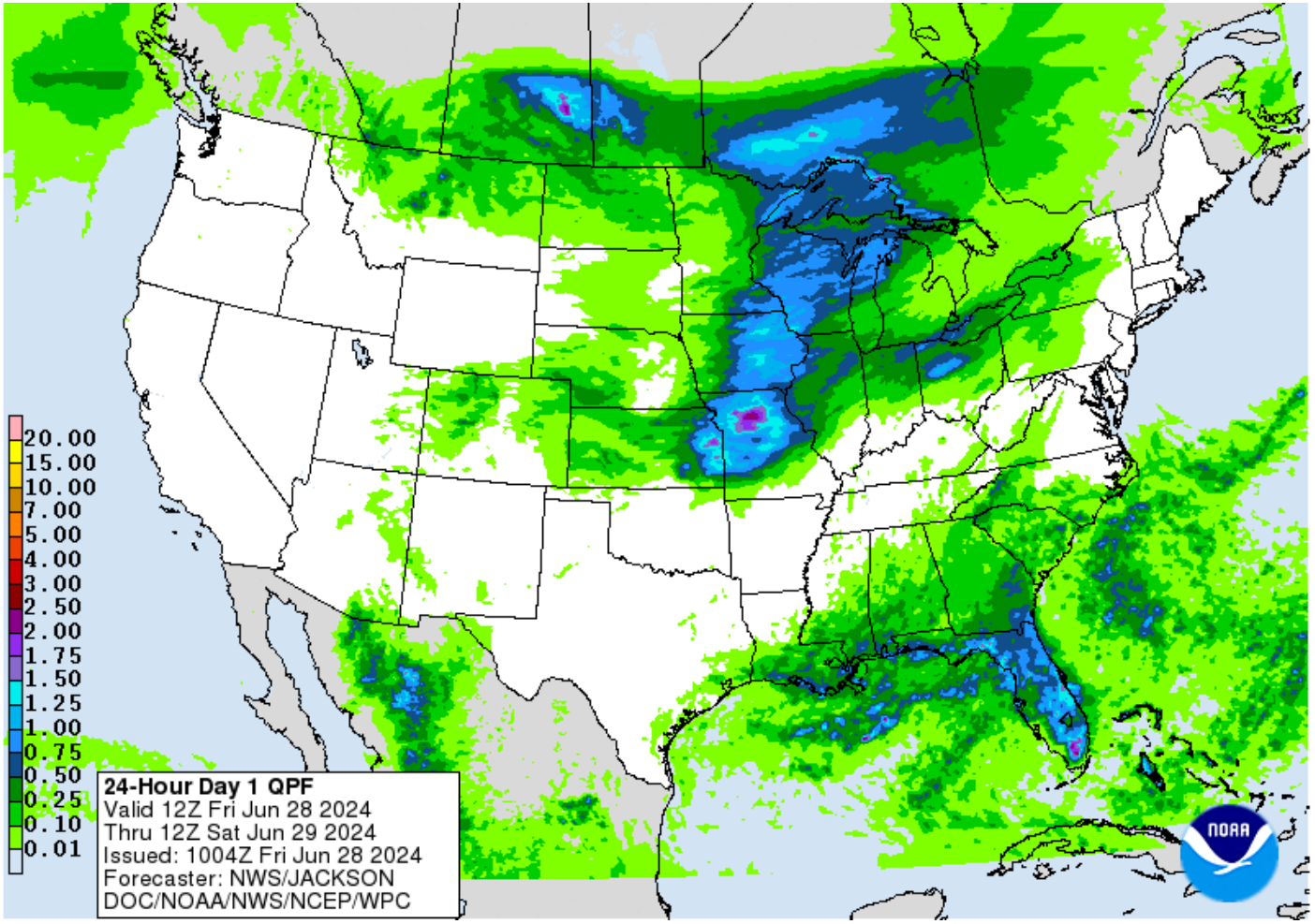
24-Hour Precipitation Forecast



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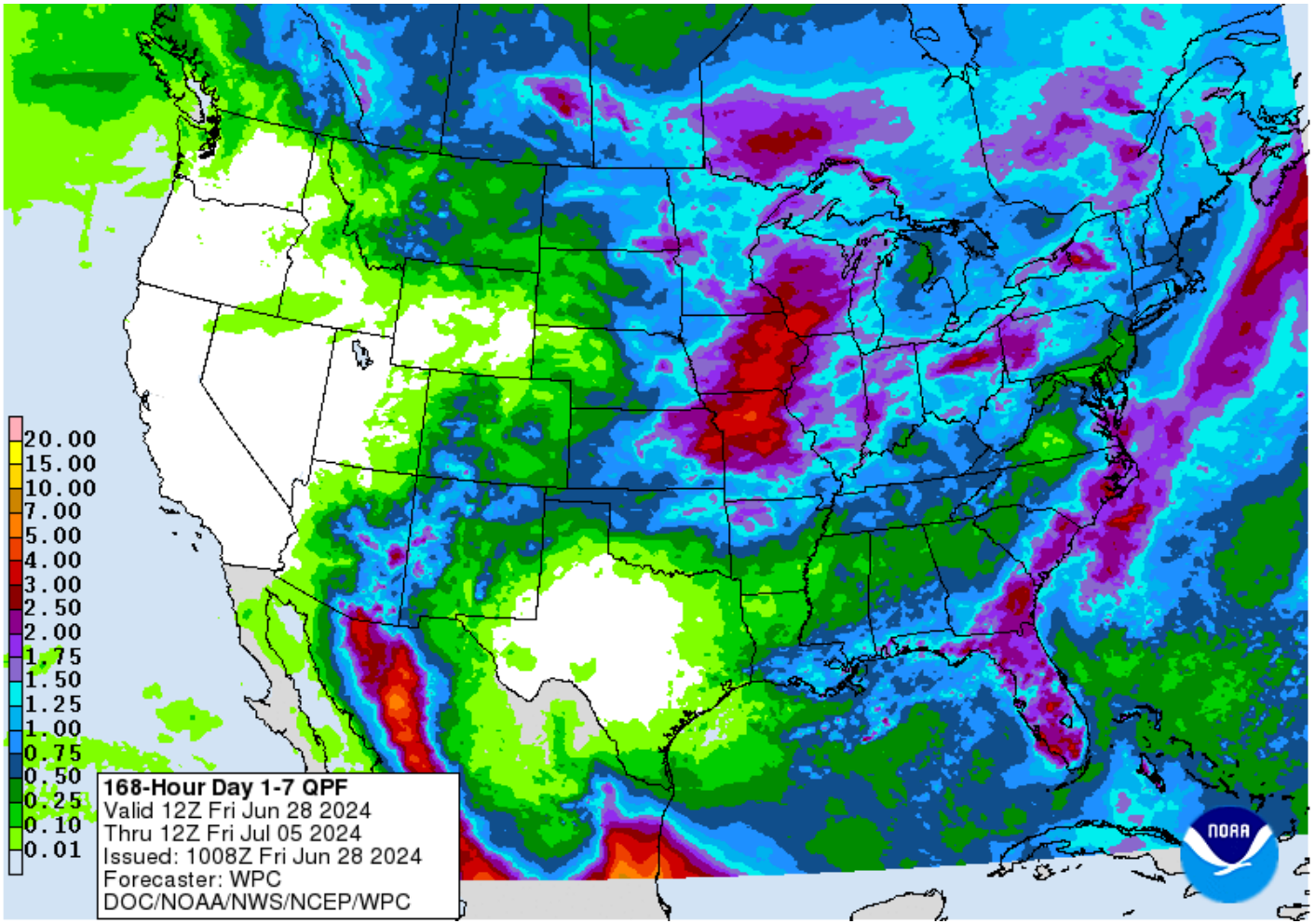
Seven-Day Precipitation Forecast



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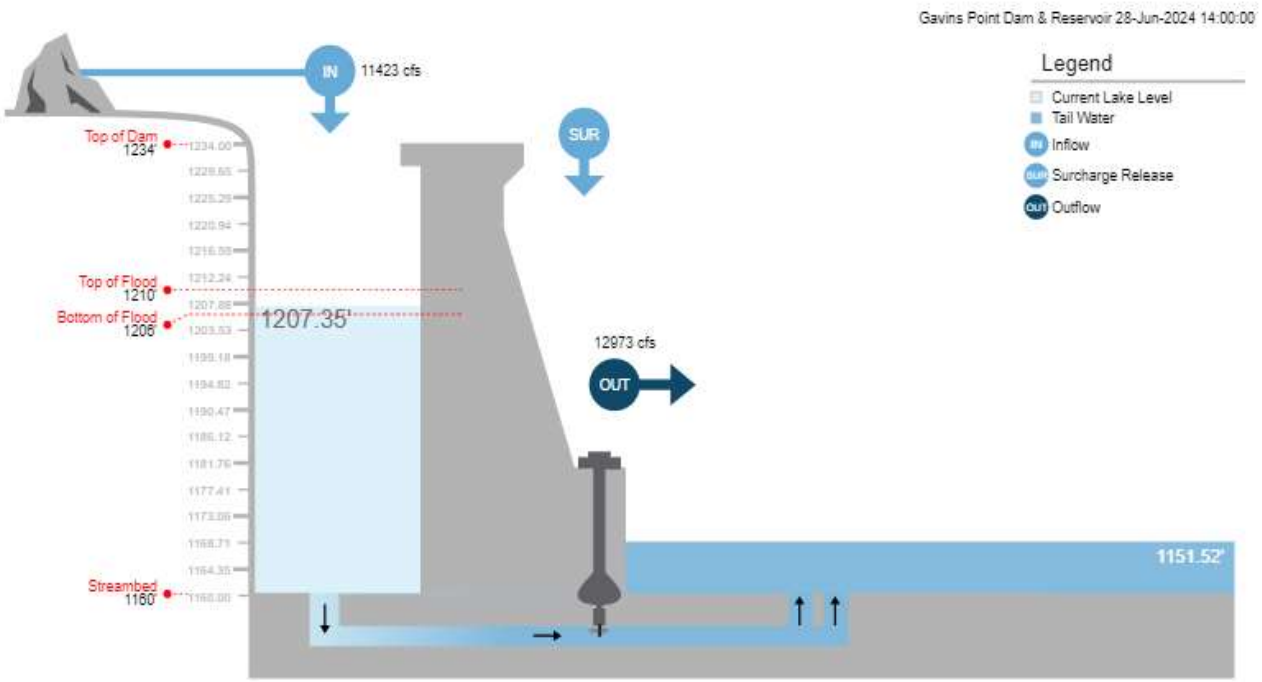
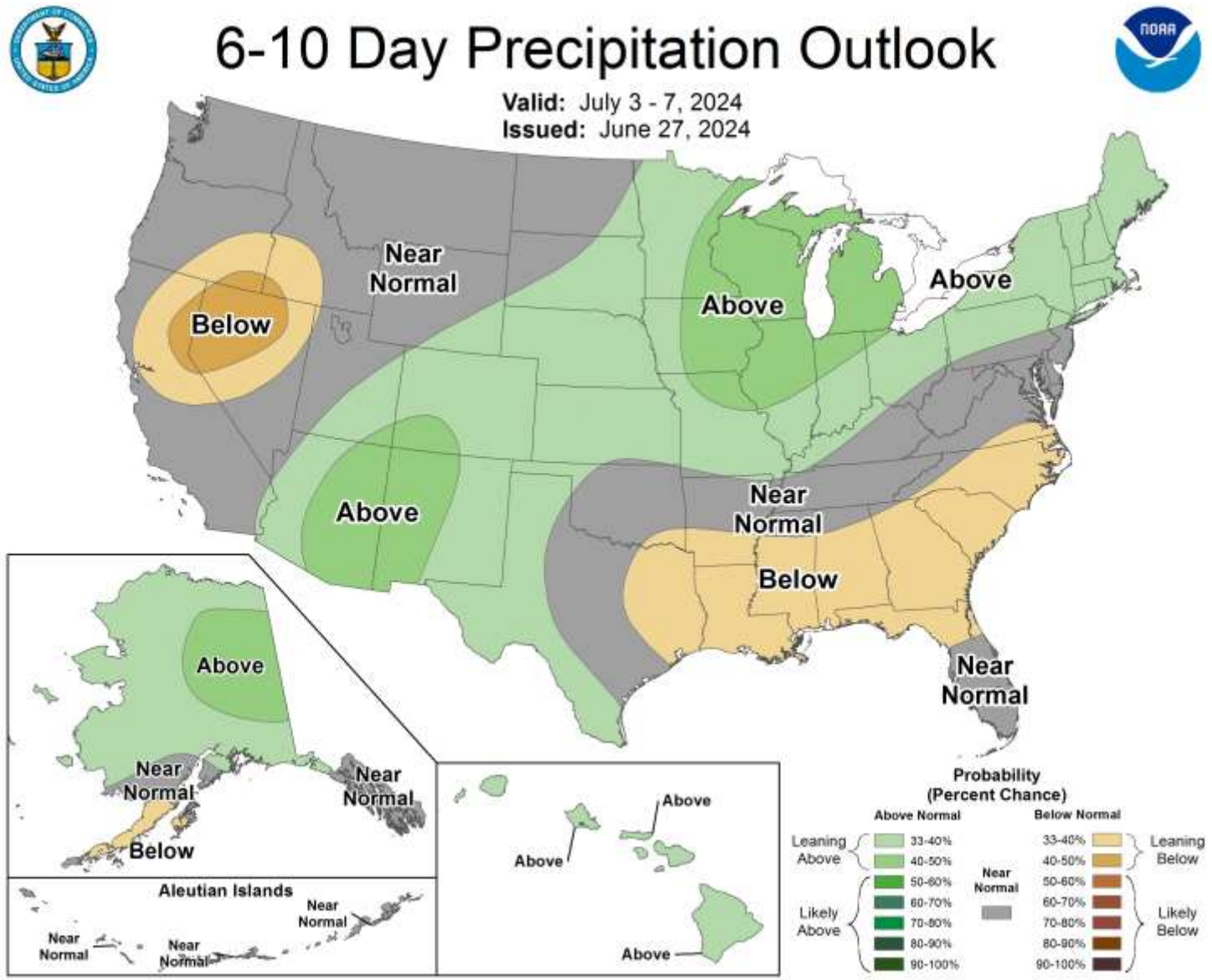
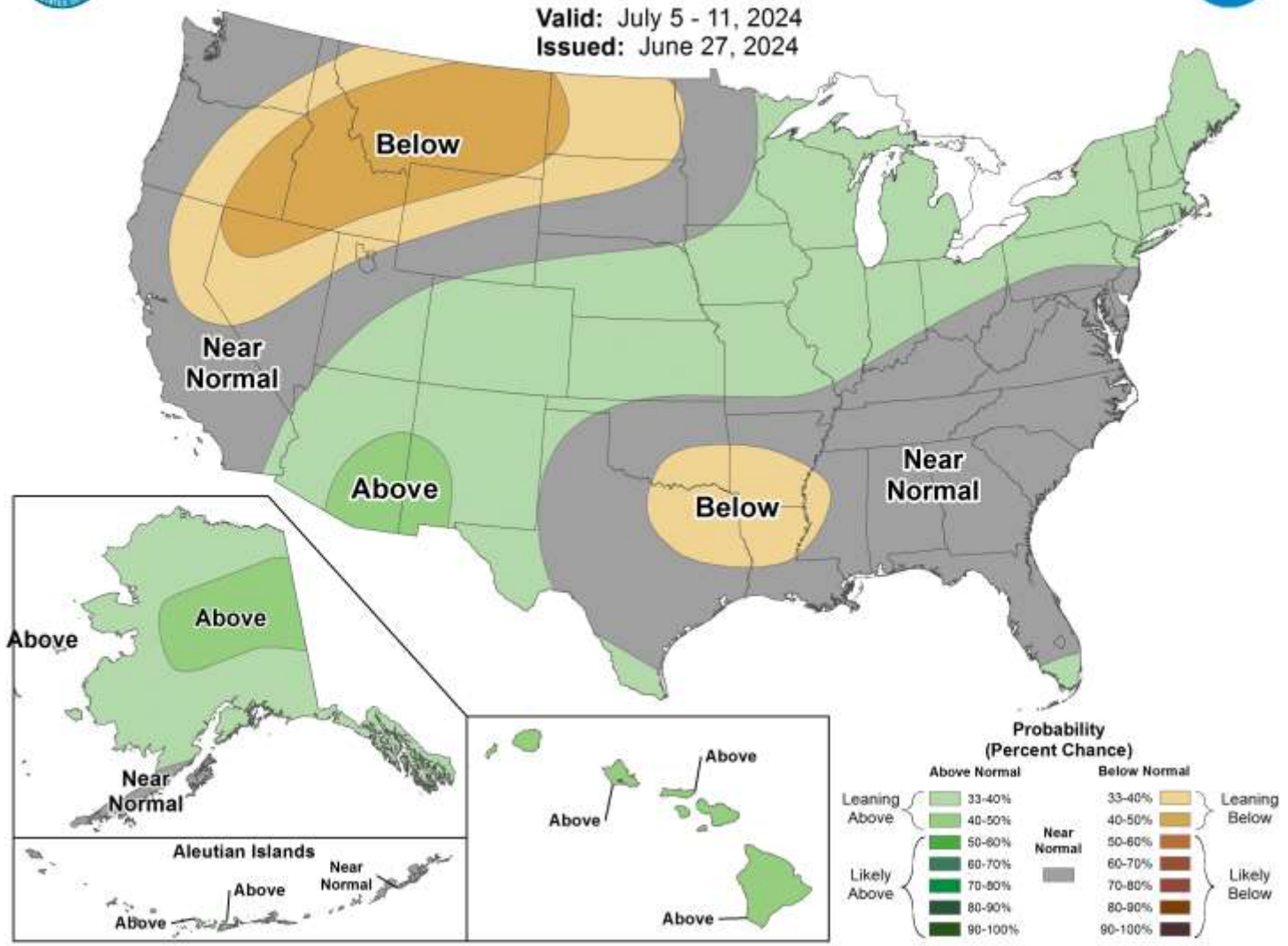
Gavins Point Dam & Reservoir
(Inflow & Release)

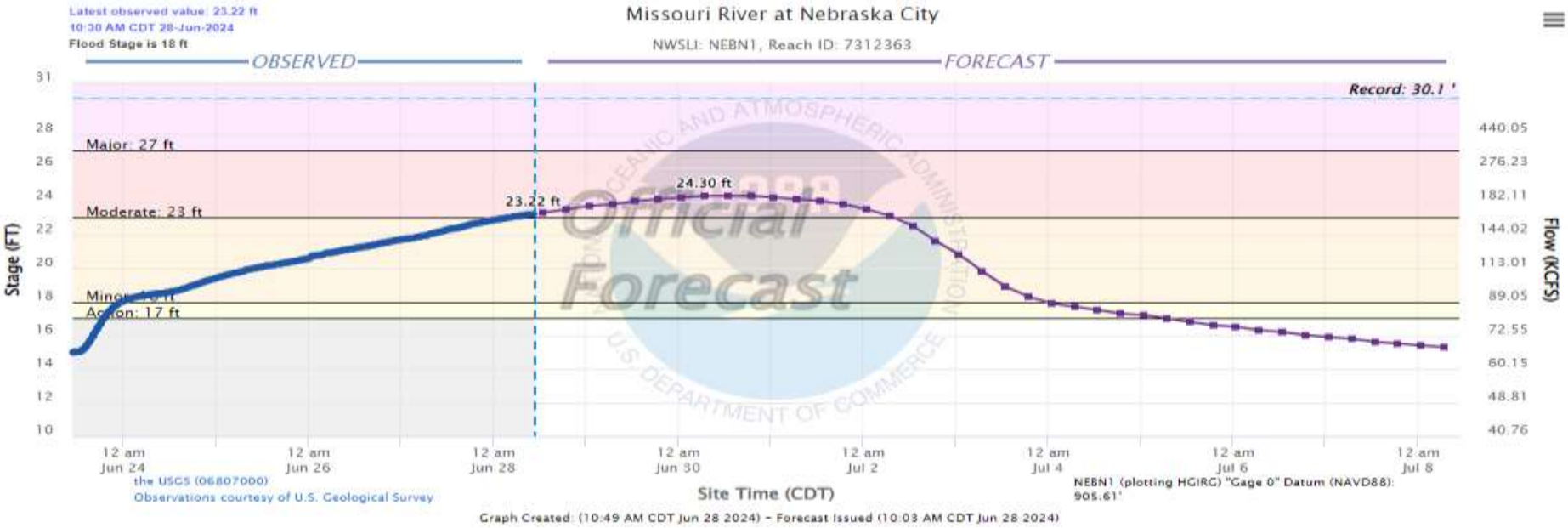



6-10 Day Precipitation Outlook
Valid: July 3 - 7, 2024
Issued: June 27, 2024
Near Normal
Below
Above
Above
Above
Near Normal
Below
Near Normal
Above
Near Normal
Near Normal
Below
Aleutian Islands
Near Normal
Near Normal
Near Normal
Above
Above
Above
Probability (Percent Chance)
Above Normal
Below Normal
Leaning Above
Likely Above
Near Normal
Leaning Below
Likely Below
33-40%
40-50%
50-60%
60-70%
70-80%
80-90%
90-100%

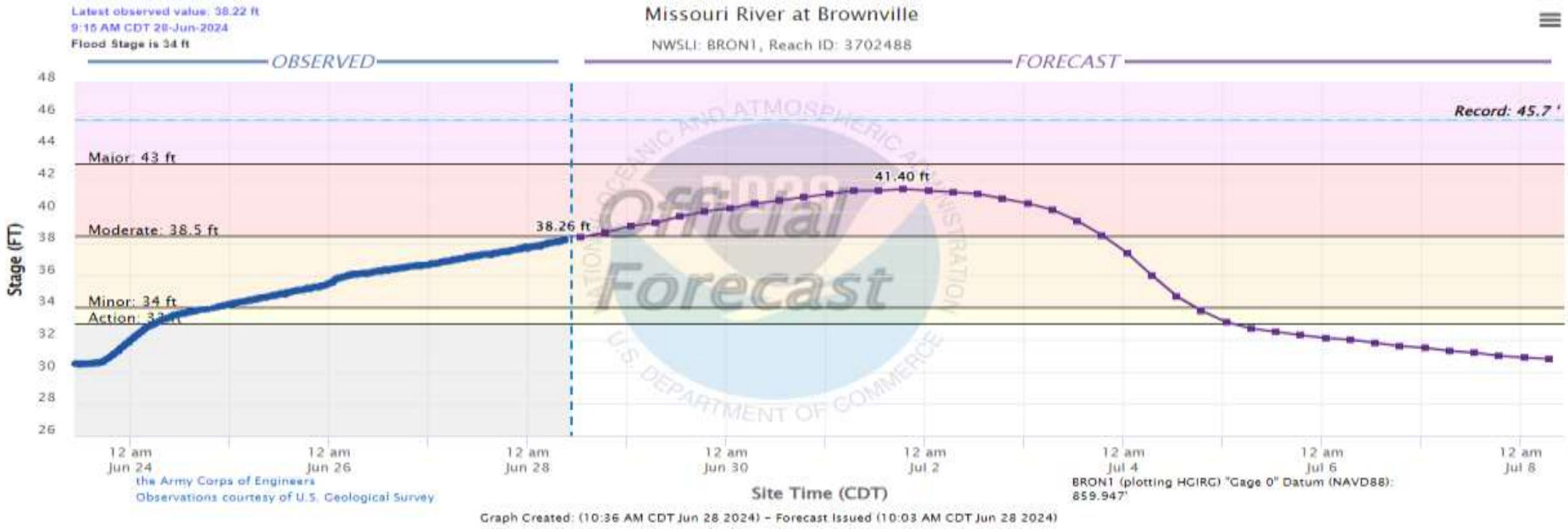
8-14 Day Precipitation Outlook

Valid: July 5 - 11, 2024
Issued: June 27, 2024

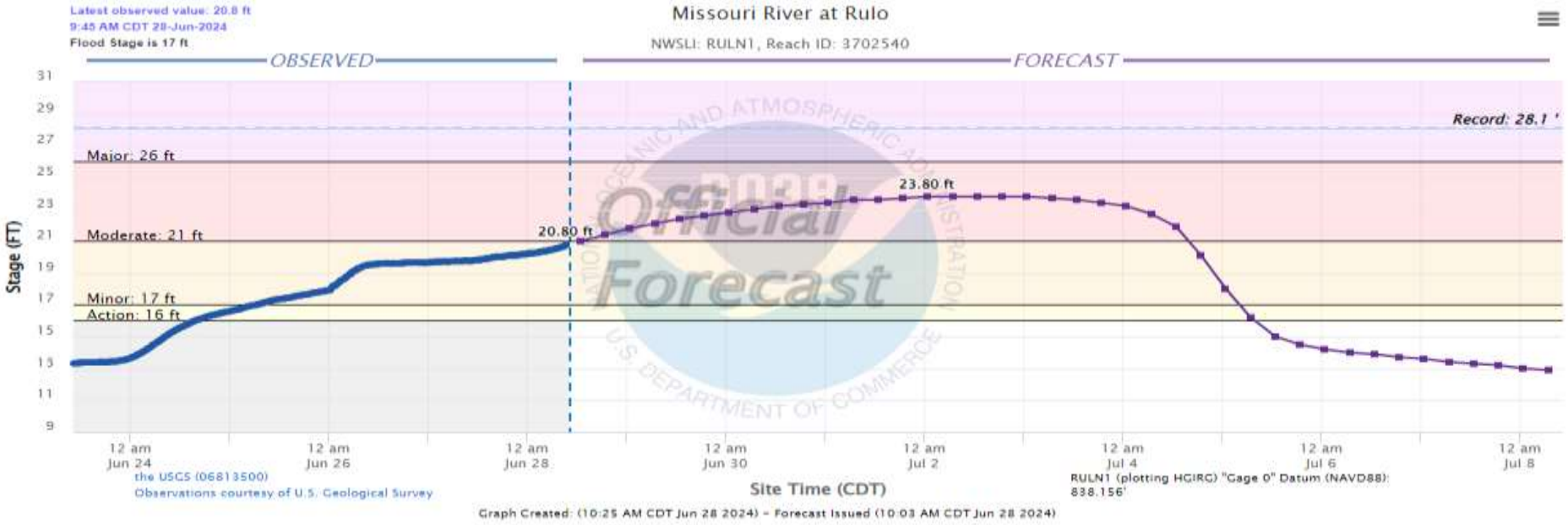




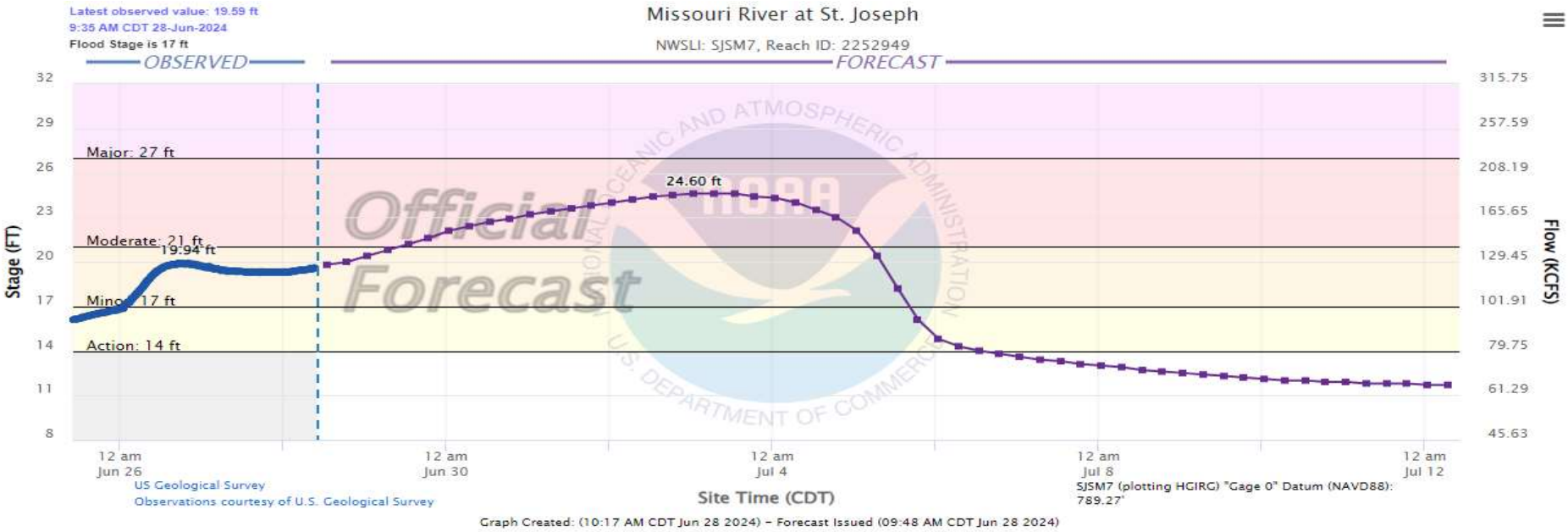
- The Missouri River at Nebraska City is at 23.22 ft and expected to crest at 24.30 ft in Moderate Flood Stage early morning June 30, 2024.
- Forecast was predicted at 10:03 am CDT June 28, 2024.
- Moderate Flood Stage occurs at 23 feet
- For stage-related impacts and other site-specific details go to: https://water.noaa.gov/gauges/NEBN1



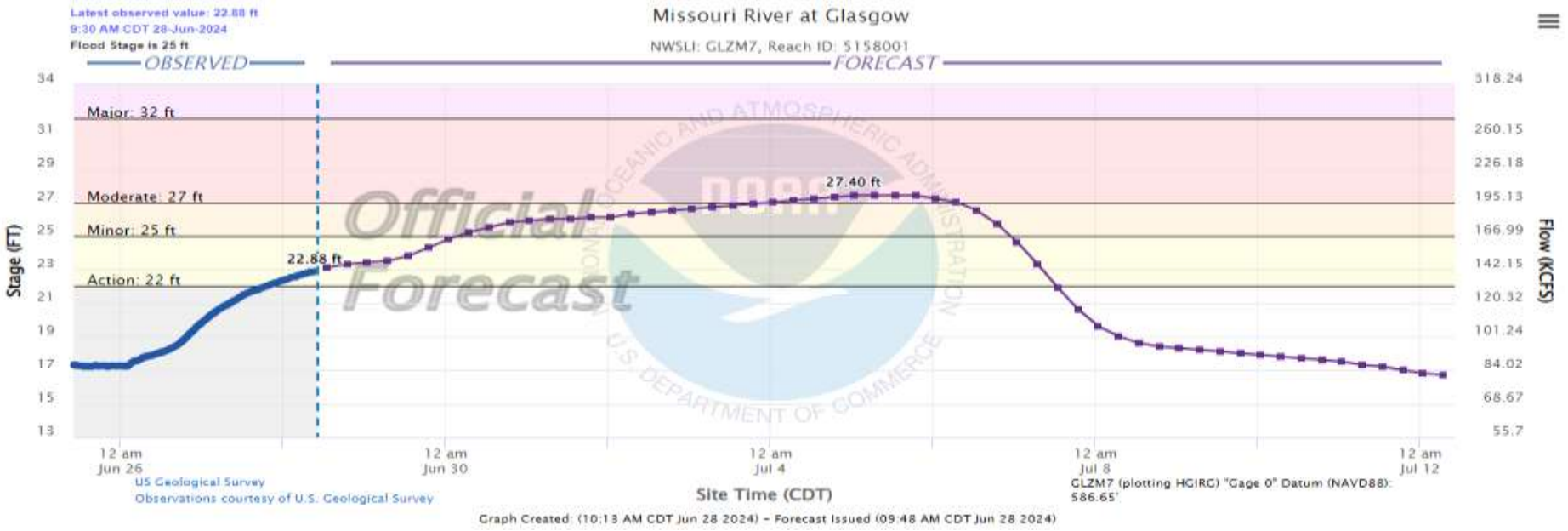
- The Missouri River at Brownville is at 38.26 ft and expected to crest at 41.40 ft in Moderate Flood Stage late July 1, 2024.
- Forecast was predicted at 10:03 am CDT June 28, 2024.
- Moderate Flood Stage occurs at 38.5 feet
- For stage-related impacts and other site-specific details go to: https://water.noaa.gov/gauges/BRON1



- The Missouri River at Rulo is at 20.80 ft and expected to crest at 23.80 ft in Moderate Flood Stage early morning July 2, 2024.
- Forecast was predicted at 10:03 am CDT June 28, 2024.
- Moderate Flood Stage occurs at 21 feet
- For stage-related impacts and other site-specific details go to: https://water.noaa.gov/gauges/RULN1



- The Missouri River at St. Joseph is at 19.59 ft and expected to crest at 24.60 ft in Moderate Flood Stage early morning July 3, 2024.
- Forecast was predicted at 9:48 am CDT June 28, 2024.
- Moderate Flood Stage occurs at 21 feet
- For stage-related impacts and other site-specific details go to: https://water.noaa.gov/gauges/SJSM7



- The Missouri River at Glasgow is at 22.88 ft and expected to crest at 27.40 ft in Moderate Flood Stage early morning on July 5, 2024.
- Forecast was predicted at 9:48 am CDT June 28, 2024.
- Moderate Flood Stage occurs at 27 feet
- For stage-related impacts and other site-specific details go to: https://water.noaa.gov/gauges/GLZM7

Resources for Further Information

- Department of Natural Resources Flood Page: https://dnr.mo.gov/water/hows-water/state-water/flooding
- Missouri Water Resources Center – Missouri River Informational Page: https://dnr.mo.gov/water/hows-water/state-water/surface-water/interstate-waters
- Missouri River-At-A-Glance: Advanced Hydrologic Prediction Service | National Weather Service
- Mississippi River-At-A-Glance: Advanced Hydrologic Prediction Service | National Weather Service